

AMENDMENTS TO THE TITLE

Please amend the title to be:

CAPACITIVE SENSOR AND DETECTION DEVICE WITH CAPACITIVE SENSORS
FOR THE DETECTION OF AN OBSTRUCTION SITUATION

AMENDMENTS TO THE SPECIFICATION

Page 1, lines 2-7:

The present invention relates to a capacitive sensor ~~measuring by capacitance~~ with an arrangement of a multitude of electrodes on a support and with means to measure a capacitance or a capacitance change. Furthermore, the invention concerns a detection device with a capacitive sensor system for the detection of an obstruction of objects or body parts in motor driven devices comprising several capacitive sensors ~~measuring by capacitance~~ according to the invention.

Page 1, lines 17-25:

For example, newer convertible vehicles are often equipped with a movable convertible top, which can be automatically moved for example from an open to a closed position or vice versa with the push of a button. The movement of the convertible top is usually effected by a hydraulic drive, which in turn drives a convertible top mechanism, which includes a convertible top linkage. ~~[[,]]~~ The linkage may support ~~which may be a supporting device~~ for a textile roof or a so-called hard-top folding roof with mainly rigid roof elements, and ~~which~~ may include a cover for a convertible top compartment as well as all elements that are being moved in the process by the described parts.

Page 3, lines 21-23:

According to the invention, this object is solved with a capacitive sensor ~~measuring by capacitance~~ with the features described herein and a detection device with the features described herein.

Page 4, lines 15-21:

When they are advantageously used for a convertible top, the capacitive measuring sensors are appropriately located in critical areas of convertible top movement, such as in the area of elements that are connected with each other by hinge-like connections such as elements of the convertible top linkage and/or a tensioning bow and/or a convertible top compartment cover and/or a windshield frame and/or an area adjacent to a window. The space-saving arrangement between a sealing section ~~[[and/ or]]~~ and/or a trim part and its support is particularly advantageous.

Page 6, lines 11-13:

Figure 2 shows in principle a possible design of the capacitive sensor system 6, which has several capacitive ~~measuring~~ sensors, a selection of which ~~[[is]]~~ are shown with the capacitive sensors 8, 9, 10, and 11 in Figure 2.

Page 6, lines 14-20:

In the shown version, the capacitive sensors 8 to 11 are each located in a critical area of the convertible top mechanism 2, such as in an area of elements 12, 13 which are connected with each other by hinges-like connections shown in Figure 1, and which are elements of the convertible top linkage, a tensioning bow 14, an area 15 next to a window, an area 16 abutting to a windshield frame and in an abutting range for a convertible top compartment cover, for which reference 17 shows the mounting area in Figure 1.

Page 6, lines 21-28:

As shown schematically in Figure 2, each of the present capacitive sensors 8 to 11 is designed as a flat, film-like sensor, on which electrodes 18 are located on a support of film material. The special structure of the conductor tracks on this film results in a capacitive sensor, which on one side of the film reacts upon a dielectric change, which is air for the capacitive sensors 8 to 11. Thus, capacitance is changing when an object or a body part approaches, which is converted into an analog voltage signal in an integrated electronic circuit for further processing in the control ~~equipment~~ unit 3 of the convertible top 1.